

Department of Earth Sciences Courses List (2024 Spring) – Master Program

Note :

1. The number with the break () indicates the credits.
2. Color Code: **Eligible Course**, **Astronomy**, **Atmospheric Science**, **Geology**, **Geophysics**, **Ocean**, **Sci. Edu.**, **Integrated Course**.
3. Course with “*” are Undergraduate-Master Joint Courses; course with “#” are Master-Doctoral Joint Courses; courses in bold and italic are taught in English in the corresponding semester.

112-2 (2024 Spring)	Required	Selected
ASTRONOMY	<i>Seminar(II)(1)</i>	
ATMOSPHERIC SCIENCES	<i>Seminar(IV)(1)</i>	<i>Advanced Synoptic Meteorology(3)#</i> <i>Atmospheric Dynamics (II)(3)*</i> <i>Meteorological Statistics(3)*</i>
GEOLOGY		<i>Micro-Structural Geology(3)#</i> <i>Earth Science Aspects of Renewable Energy(2)*</i> <i>Field Geology (including Lab.)(3)*</i> <i>Geology of Taiwan(3)*</i> <i>Petroleum Geochemistry(3)*</i> <i>Petrology (including Lab.)*</i> <i>Regional Geology(3)*</i> <i>Stable Isotope Geology(3)*</i> <i>Volcanology and Volcanic Hazards (Including Lab.)(3)*</i>
GEOPHYSICS		<i>Geophysical Planetary Exploration(3)*</i>
OCEANOGRAPHY		<i>Introductory Marine Biology(3)*</i> <i>Satellite Data Analysis Techniques Applied to Oceanography(3)*</i>
INTEGRATED COURSE		<i>Inquiry and Practical Work in Science(2)*</i> <i>Earth System and Comparative Planetology(3)*</i> <i>Earth System Sciences and Disaster Risk Assessment(3)*</i>